

Title (en)
DETECTION OF FLUIDS WITH METAL-INSULATOR-SEMICONDUCTOR SENSORS

Title (de)
NACHWEIS VON FLUIDEN MIT M.I.S. SENSOREN

Title (fr)
DETECTION DE FLUIDES A L'AIDE DE DETECTEURS A SEMI-CONDUCTEURS A ISOLATEUR METALLIQUE (MIS)

Publication
EP 0729574 A4 19960611 (EN)

Application
EP 95900444 A 19941027

Priority
• US 9412316 W 19941027
• US 14700293 A 19931102

Abstract (en)
[origin: WO9512811A1] A MIS diode sensor (10) having a Pd/Cu alloy electrode (15) is sensitive to and can detect CO, H₂, C₂H₂ and C₂H₄. An array (30) of MIS diode sensors (10) having varying electrode compositions can indicate a fault in an electrical transformer by the detection of at least one of the key fault gases CO, H₂, C₂H₂ and C₂H₄.

IPC 1-7
G01N 27/26; **G01N 27/00**

IPC 8 full level
G01N 27/12 (2006.01); **G01N 27/00** (2006.01); **G01N 33/00** (2006.01); **G01N 33/28** (2006.01)

CPC (source: EP US)
G01N 27/129 (2013.01 - EP US); **G01N 33/2841** (2013.01 - EP US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 9512811A1

Cited by
GB2397653A; GB2397653B

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9512811 A1 19950511; AU 8126794 A 19950523; CA 2174760 A1 19950511; CA 2174760 C 19990713; EP 0729574 A1 19960904; EP 0729574 A4 19960611; JP 3115896 B2 20001211; JP H09504613 A 19970506; US 5417821 A 19950523

DOCDB simple family (application)
US 9412316 W 19941027; AU 8126794 A 19941027; CA 2174760 A 19941027; EP 95900444 A 19941027; JP 51328995 A 19941027; US 14700293 A 19931102